

Published Application : Database :

ATTACHMENT C
Published Applications No. 4

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution

CONTINUED

Result	No.	Score	Query	Match	Length	DB	ID	Description
	c 1	60	4 . 3	1835	10	US-09-864-761-20241		Sequence 20241, A
	c 2	60	4 . 3	1973	10	US-09-864-761-341		Sequence 3471, Ap
	c 3	52 . 2	3 . 7	510	10	US-09-864-761-18737		Sequence 18737, A
	c 4	46 . 6	3 . 3	68473	10	US-09-864-761-959-1		Sequence 1, Ap
	c 5	45 . 8	3 . 3	1075	10	US-09-864-761-19241		Sequence 19241, A
	c 6	45 . 8	3 . 3	1403	10	US-09-864-761-2513		Sequence 2513, Ap
	c 7	43 . 4	3 . 1	2120	10	US-09-798-042-95		Sequence 95, Ap
	c 8	43 . 4	3 . 1	2129	10	US-09-159-469-39		Sequence 39, Ap
	c 9	43 . 4	3 . 1	2129	10	US-09-198-042-39		Sequence 39, Ap
	c 10	42 . 8	3 . 0	439	10	US-09-864-761-20174		Sequence 20174, A
	c 11	42 . 6	3 . 0	1390	10	US-09-970-477-1		Sequence 1, Ap
	c 12	42 . 6	3 . 0	2502	9	US-10-064-623-31		Sequence 31, Ap
	c 13	44 . 2	3 . 0	574	10	US-09-864-761-128		Sequence 228, Ap
	c 14	41 . 4	2 . 9	1881	9	US-09-938-042A-1346		Sequence 3346, Ap
	c 15	41	2 . 9	489	10	US-09-864-761-4976		Sequence 4976, Ap
	c 16	40 . 4	2 . 9	1476	10	US-09-815-242-776		Sequence 8766, Ap
	c 17	40 . 4	2 . 9	4460	10	US-09-740-274-1		Sequence 1, Ap
	c 18	40	2 . 8	250	10	US-09-815-242-3255		Sequence 3253, Ap
	c 19	40	2 . 8	250	10	US-09-815-242-3273		Sequence 3273, Ap

PRIOR APPLICATION NUMBER:	PCT/US01/00670
PRIOR FILING DATE:	2001-01-30
PRIOR APPLICATION NUMBER:	US 60/234,687
PRIOR FILING DATE:	2000-09-21
PRIOR APPLICATION NUMBER:	US 09/608,408
PRIOR FILING DATE:	2000-06-30
PRIOR APPLICATION NUMBER:	US 09/774,203
PRIOR FILING DATE:	2001-01-29
NUMBER OF SEQ ID NOS:	49117
SOFTWARE:	Annotation Sequence Listing Engine vers. 1.1
SEQ ID NO:	20241
LENGTH:	1,635
TYPE:	DNA
ORGANISM:	Homo sapiens
FEATURE:	
OTHER INFORMATION: MAP TO AC006547.9	
FEATURE: EXPRESSED IN LUNG, SIGNAL = 17	
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 11	
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 8.6	
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 9	
OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 12	
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 11	
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 10	
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 8.4	
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 10	
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 12	
US-09-864-761-20241	
Query Match	4.3%;
Best Local Similarity	41.5%;
Matches	463;
Score	60;
DB	10;
Length	1635;
Indels	3;
Gaps	1;
Dy	60
Db	1,370
Db	120
Db	1310
Db	180
Db	1250
Db	240
Db	1190
Db	300
Db	1130
Db	420
Db	1070
Db	477
Db	950
Db	537
Db	890
Db	597
Db	830
Db	770
Qy	717
Db	710
Qy	777
Db	650
Qy	837
Db	590
Qy	897
Db	530
Qy	957
Db	470
Qy	1017
Db	410
Qy	1077
Db	350
Qy	1137
Db	290
RESULT 2	
US-09-864-761-3471/C	
Sequence 3471, Application US/09864761	
Patent No. US20020048763A1	
GENERAL INFORMATION:	
APPLICANT: Peng, Sharron G.	
APPLICANT: Rank, David R.	
APPLICANT: Hatzel, David K.	
APPLICANT: Chen, Wensheng	
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES FOR EXPRESSION ANALYSIS BY MICROARRAY	
FILE REFERENCE: Aeonica-X-1	
CURRENT APPLICATION NUMBER: US/09/864-761	
CURRENT FILING DATE: 2001-05-23	
PRIOR APPLICATION NUMBER: US 60/180, 312	
PRIOR FILING DATE: 2000-02-04	
PRIOR APPLICATION NUMBER: US 60/207, 456	
PRIOR FILING DATE: 2000-05-26	
PRIOR APPLICATION NUMBER: US 09/632, 366	
PRIOR FILING DATE: 2000-08-03	
PRIOR APPLICATION NUMBER: GB 24263.6	
PRIOR FILING DATE: 2000-10-04	
PRIOR APPLICATION NUMBER: US 60/236, 359	
PRIOR FILING DATE: 2001-01-30	
PRIOR APPLICATION NUMBER: PCT/US01/00666	
PRIOR FILING DATE: 2001-01-30	
PRIOR APPLICATION NUMBER: PCT/US01/00665	
PRIOR FILING DATE: 2001-01-30	
PRIOR APPLICATION NUMBER: PCT/US01/00667	
PRIOR FILING DATE: 2001-01-30	
PRIOR APPLICATION NUMBER: PCT/US01/00664	
PRIOR FILING DATE: 2001-01-30	
PRIOR APPLICATION NUMBER: PCT/US01/00669	
PRIOR FILING DATE: 2001-01-30	
PRIOR APPLICATION NUMBER: PCT/US01/00665	
PRIOR FILING DATE: 2001-01-30	
PRIOR APPLICATION NUMBER: PCT/US01/00666	
PRIOR FILING DATE: 2001-01-30	
PRIOR APPLICATION NUMBER: PCT/US01/00668	
PRIOR FILING DATE: 2001-01-30	
PRIOR APPLICATION NUMBER: PCT/US01/00669	
Qy	

Y	640	TGTGCCGCAATTAAACCTGCTTAAGCTACTTTAGGTAATGTCATAATA	699
b	13221	TCCCTCATAAATCTGCTGATGCTAACACTGTAATCTGTCCTAACTACCTATGCTCT	13280
Y	700	ACCCATATAATGTAACGTTGCACTCCCTGATGGTACTATAAGTCGTTGAGTAATAAT	759
b	13281	TCTCTCAAGTGTACTACTGTGAGTACTATGTCACCGTACCTTCATTCAGTGA	13340
Y	760	TGGGTAGCACAACACTGAAATGTAATGTCCTAACTTTACAATAATAATGCT	819
b	13341	TCTCTGAAAGTACTGCGATGCCACCATTAAGTACTGACTATGACTCT	13400
Y	820	CCATAATTCACCTCAGGTAATGTAATGTCCTACCTGCGCAATAAGATTATGGT	879
b	13401	TCTCTAACGGTACTACTGATGTTAGGACTAGTACTATTAATATAAGTACTCT	13460
Y	880	GCTGAAAGCCACTGCGGTAACTGGTGGCGTACCTTAGCCAAATAATGTAATTGCGCT	939
b	13461	GTCTAACAAATACTACTAACTGCTACACTGACTATGTTGCTATAATAACTCTACC	13520
Y	940	GATGGTACTGCAATTGGTAGGGACCAACTATTGTAATATAACAGAATGTCATA	999
b	13521	TCTCTAACAAAGTACTGATGATGACTGTTCCTAAATACTGTTCCAGTACAGTTCT	13580
Y	1000	AATTGTCCTGCTGCTA	1012
b	13581	TCTCTTCGAAATA	13593

USPTO FORM 5
-09-864-761-19241
Sequence 19241, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Benn, Shannon G.
APPLICANT: Rank, David R.
APPLICANT: Hanel, David K.
APPLICANT: Chen, Wenshang
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

PRIOR APPLICATION NUMBER:	US 60/234,687
PRIOR FILING DATE:	2000-09-21
PRIOR APPLICATION NUMBER:	US 09/608,408
PRIOR FILING DATE:	2000-06-30
PRIOR APPLICATION NUMBER:	US 09/774,203
PRIOR FILING DATE:	2001-01-29
NUMBER OF SEQ ID NOS:	49117
SOFTWARE:	Automax Sequence Listing Engl
SEQ ID NO:	19241
LENGTH:	1075
TYPE:	DNA
ORGANISM:	Homo sapiens
FEATURE:	MAP TO AL078472.1
OTHER INFORMATION:	EXPRESSED IN BONE MARROW
OTHER INFORMATION:	EXPRESSED IN LUNG, S
OTHER INFORMATION:	EXPRESSED IN BT474
OTHER INFORMATION:	EXPRESSED IN FETAL L
OTHER INFORMATION:	EXPRESSED IN ADULT L
OTHER INFORMATION:	EXPRESSED IN HELA, S
OTHER INFORMATION:	EXPRESSED IN PLACENTA
OTHER INFORMATION:	EXPRESSED IN HBL100.
OTHER INFORMATION:	EXPRESSED IN HEART,
OTHER INFORMATION:	EXPRESSED IN BRAIN,
OTHER INFORMATION:	EST-HUMAN HIT: AV739
OTHER INFORMATION:	EST-HUMAN HIT: AL163201.2,
US-09-864-761-19241	
Query	Query Match 3.3% Score 45.
Qy	Best Local Similarity 41.7% Pred. No.
Qy	Matches 28; Conservative 0; Mismat
Qy	288 TGCCTGGTACCGCAATTGCAAGGTCAGGAGCAACAGA
Db	216 TGTGGGGTGTATGGTGTATGGTGTATGGTGTATGGGG
Qy	348 TAATTGTGAGATAATTATTTTATATGAAATGC
Db	276 TGGTGTATGGTGTATGGTGTATGGTGTATGGTGTATGGGG
Qy	408 ATCACACAGCTTCCGGTTAAACAGAGTTGGTGG
Db	336 TGGTGGTGGTGGTGGTGGTGGTGTGGTGTGGTGTGG
Qy	468 CATAGTCGGCATTAATGAAACGTCGATGTCCTAC
Db	396 TGGTGGTGGTGGTGGTGTGGTGTGGTGTGGTGTGGGG
Qy	528 TACTGATTATGTTAGATCATTCAGAAATGTTGTTG
Db	456 TCGGGCTAGTCGTTGTTGTTGATGGTGTATGGTGTATGGGG
Qy	588 TGGTAATAATGTAATACCTCTTAATCCTGGGGTGTGGTGTGG
Db	516 TGGTGTATGGTGGTGGTGGTGTGGTGTGGTGTGGTGTGG
Qy	648 AATTAACCTGGTCTTAATGTTGCTTAAAGCTACTTAA
Db	576 TAGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGGG
Qy	708 ATGTAACGTTGGCATGCCCTGATGGTACTATAAGT
Db	636 TGGTGTGGTGGTGTGGTGTGGTGTGGTGTGGTGTGGGG
Qy	768 ACAAAACACTGAAATGTAATGTTGCTTCAAC
Db	696 TGGTGTGGTGGTGTGGTGTGGTGTGGTGTGGTGTGGGGTGT
Qy	828 CAATCCGGTAATAGTACATGCCCTACCTTGGCCCA
Db	756 TGTATGGTGGTGTGGTGTGGTGTGGTGTGGTGTGGGGTGT
Qy	888 CACCTCAGGGCCAGGCCCTACGGGGCCCTACGGGGCCCTAC

RESULT 9

Sequence 39, Application US/09798042

Patent No. US2002006843A1

APPLICANT: Reed, Steven G.

APPLICANT: Hodges, Michael J.

APPLICANT: Houghton, Raymond L.

APPLICANT: McNeill, Patricia D.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS AND TREATMENT OF EURHICHA INFECTION

FILE REFERENCE: 210121.4 39C7

CURRENT APPLICATION NUMBER: US/09798042

CURRENT FILING DATE: 2001-03-02

NUMBER OF SEQ ID NOS: 108

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO: 39

LENGTH: 2129

TYPE: DNA

ORGANISM: *ehrlichia* sp.

US-09-798-042-39

Query Match 3.1%; Score 43.4%; DB 10; Length 2129;

Best Local Similarity 44.3%; Pred. No. 0.5; Gaps 2;

Matches 277; Conservative 0; Mismatches 336; Indels 12; Gaps 2;

Qy 287 CNGCTGGTACCGCAATTGCGATTAGCTGGACAAAGATTGAGCAATAATCAGACAATG 346

Db 619 CTCCTCTGGCATACAGCATAGCTCTCAGACTTCAGACTTCAGATCACCTCAG 678

Qy 347 TTTATTTGAGAAATTATAATGAAATTTCAAAATTAAATGCGATTAAATGGCTCTAGTA 406

Db 679 TAACCCAGAAACTGTAGACITCAGGTGTGGTGGAGAACCTCAGAGGCTGATCTA 738

Qy 407 CATTGACAGCTGTCCCGTAACAGGTTGGTGGCATGGCTGGTAATCCGGCTA 466

Db 739 GTTGGGGCCTCTGGGCAACTTACACCTCTGAGCTTATTCTCTAGTATGGTA 798

Db 467 CCATGTCGATATGTAACGTGCGATTGCTACTGTTACTGCACTGTGATGGATAA 526

Qy 799 CAATCGCTCTGGAGCTCAACACCGTAATTCTCGCTTACAGGTACTACGGTACTGTG 858

Db 527 CTAGTGAATTGTTAGATCATTCACAAATGTT- -GTTAAATGTAACCTTACT 583

Db 859 CTACAGGTAAATAATGTTAAATCTCCATTAGAGAAACTTCGTTCTCTCT 918

Qy 584 ATAAGGTAAATAATGTTAAATCTCCATTAGAGAAACTTCGTTCTCTCT 643

Db 919 TTACTCTACAGGACTCAGTCCCTAGTGCATTGCTCTGAC 978

Db 644 CGGCAATTAAACCTGCTAATGTTGCTTAAGGTCAATTAGTGTCAATAACCG 703

Qy 979 CAGACATTACTCTTTCGCTACATCAGCAATTGTTACAGTACTTCAGCTTA 1038

Db 704 CATATGTAACGTTGATGCCCTGATGGTACATAAGTGTGCTGGAGTAAATAATGGG 763

Qy 1039 GATCACCTTCAGCAACCAAGAACGTTAGACTCAGGTTCTGGGCAAAACTCAG 1098

Db 764 TAGCACAACAAACTGTAGATGTTACTAATGTTACTTACATAATAATGCTCCTA 823

Qy 1099 GAG-----CTGATCTAGTGTGCTGGAGCAACTACCACTCTGAAAGCT 1149

Db 824 ATTCAATCCAGGTAAATGATGCTACATGCTTACCTTCTGGCTCTGCTG 883

Db 1150 TATTCTCTTAGTGTACATGCTTACATGCTTCTGGCTCTCACACAGCA 1209

RESULT 10

Sequence 2074, Application US/09864761

Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

APPLICANT: Chen, Weisheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GENE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Aemolica-X-1

CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: US 09/608,408

PRIOR APPLICATION NUMBER: US 09/774,203

PRIOR FILING DATE: 2001-01-29

NUMBER OF SEQ ID NOS: 49117

SOFTWARE: Annonax Sequence Listing Engine vers. 1.1

SEQ ID NO: 20174

LENGTH: 439

TYPE: DNA

ORGANISM: *homo sapiens*

FEATURE: MAP TO AL035419.9

OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2

OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.4

OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.6

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN BPH474, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2

RESULT 11

Sequence 763, Application US/09864761

Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

APPLICANT: Chen, Weisheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GENE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Aemolica-X-1

CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: US 09/608,408

PRIOR APPLICATION NUMBER: US 09/774,203

PRIOR FILING DATE: 2001-01-29

NUMBER OF SEQ ID NOS: 49117

SOFTWARE: Annonax Sequence Listing Engine vers. 1.1

SEQ ID NO: 20174

LENGTH: 439

TYPE: DNA

ORGANISM: *homo sapiens*

FEATURE: MAP TO AL035419.9

OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2

OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.4

OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.6

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN BPH474, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2

RESULT 12

Sequence 1098, Application US/09864761

Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

APPLICANT: Chen, Weisheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GENE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Aemolica-X-1

CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: US 09/608,408

PRIOR APPLICATION NUMBER: US 09/774,203

PRIOR FILING DATE: 2001-01-29

NUMBER OF SEQ ID NOS: 49117

SOFTWARE: Annonax Sequence Listing Engine vers. 1.1

SEQ ID NO: 20174

LENGTH: 439

TYPE: DNA

ORGANISM: *homo sapiens*

FEATURE: MAP TO AL035419.9

OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2

OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.4

OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.6

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN BPH474, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2

RESULT 13

Sequence 770, Application US/09864761

Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

APPLICANT: Chen, Weisheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GENE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Aemolica-X-1

CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: US 09/608,408

PRIOR APPLICATION NUMBER: US 09/774,203

PRIOR FILING DATE: 2001-01-29

NUMBER OF SEQ ID NOS: 49117

SOFTWARE: Annonax Sequence Listing Engine vers. 1.1

SEQ ID NO: 20174

LENGTH: 439

TYPE: DNA

ORGANISM: *homo sapiens*

FEATURE: MAP TO AL035419.9

OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2

OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.4

OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.6

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN BPH474, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2

RESULT 14

Sequence 1098, Application US/09864761

Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

APPLICANT: Chen, Weisheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GENE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Aemolica-X-1

CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: US 09/608,408

PRIOR APPLICATION NUMBER: US 09/774,203

PRIOR FILING DATE: 2001-01-29

NUMBER OF SEQ ID NOS: 49117

SOFTWARE: Annonax Sequence Listing Engine vers. 1.1

SEQ ID NO: 20174

LENGTH: 439

TYPE: DNA

ORGANISM: *homo sapiens*

FEATURE: MAP TO AL035419.9

OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2

OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.4

OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.6

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN BPH474, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2

RESULT 15

Sequence 1149, Application US/09864761

Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

APPLICANT: Chen, Weisheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR GENE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Aemolica-X-1

CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: US 09/608,408

PRIOR APPLICATION NUMBER: US 09/774,203

PRIOR FILING DATE: 2001-01-29

NUMBER OF SEQ ID NOS: 49117

SOFTWARE: Annonax Sequence Listing Engine vers. 1.1

SEQ ID NO: 20174

LENGTH: 439

TYPE: DNA

ORGANISM: *homo sapiens*

FEATURE: MAP TO AL035419.9

OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2

OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.4

OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.6

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN BPH474, SIGNAL = 1.5

OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2

RESULT 15

Db 597 GTTTTTATTGTGAAATTGTGTTCTACTTTTATAAGTTATAATGCATAT 656
 Qy 638 CTTGTCGGCAATTAAACCTGCTAATGTTGCTAA 672
 Db 657 TTGAAATTAGTTACTTCATTACATTGTAA 691

OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 5.9
 OTHER INFORMATION: EXPRESSED IN FERAL LIVER, SIGNAL = 5.9
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 5.4
 US-09-864-761-4976

Query Match 2.9%; Score 41; DB 10; Length 489;
 Best Local Similarity 50.2%; Pred. No. 1;
 Matches 101; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

Qy 339 AGAATGTTAATGTTAGATAATTATAATGAAAATGCTCCAAATTAAATGCGAGG 398
 Db 379 ATATGCTGATAATGCTGAAAGGTAAATGCTGATGATGATGTTAATGTTGATGG 320

Qy 399 TGCTAGTACATGCAAGCTTGTCCGGTAAACAGAGTTGGTGGTCAATTGCTGGTAA 458
 Db 319 TGGTGTATTGTTAGGGATGGTGTGATAATGTTGATGGTGTATGGTGG 260

Qy 459 TGCCCTACCATAGTCGATAATGTAACGTTGCTACTGGTACTGCACTTGATGA 518
 Db 259 TGGTTAGTAAATCAGGTGATGTTAATGACGTGGTAAATGAGCTGATGATGTTG 200

Qy 519 TGGACTAACTACTGATTATGT 539
 Db 199 TGATGATGGTAATGATAGTAT 179

Search completed: February 17, 2003, 01:59:09
 Job time : 209.08 secs

1/ Sequence 4976, Application US/09864761
 1/ Patent No. US20020048763A1
 1/ GENERAL INFORMATION:
 1/ APPLICANT: Penn, Sharron G.
 1/ APPLICANT: Rank, David R.
 1/ APPLICANT: Hanzel, David K.
 1/ APPLICANT: Chen, Wensheng
 1/ TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
 1/ TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
 1/ FILE REFERENCE: Aeomica-X-1
 1/ CURRENT APPLICATION NUMBER: US/09/864,761
 1/ CURRENT FILING DATE: 2001-05-23
 1/ PRIOR APPLICATION NUMBER: US 60/180,312
 1/ PRIOR FILING DATE: 2000-02-04
 1/ PRIOR APPLICATION NUMBER: US 60/207,456
 1/ PRIOR FILING DATE: 2000-05-26
 1/ PRIOR APPLICATION NUMBER: US 09/635,366
 1/ PRIOR FILING DATE: 2000-08-03
 1/ PRIOR APPLICATION NUMBER: GB 24263,6
 1/ PRIOR FILING DATE: 2000-10-04
 1/ PRIOR APPLICATION NUMBER: US 60/236,359
 1/ PRIOR FILING DATE: 2000-09-27
 1/ PRIOR APPLICATION NUMBER: PCT/US01/00666
 1/ PRIOR FILING DATE: 2001-01-30
 1/ PRIOR APPLICATION NUMBER: PCT/US01/00667
 1/ PRIOR FILING DATE: 2001-01-30
 1/ PRIOR APPLICATION NUMBER: PCT/US01/00664
 1/ PRIOR FILING DATE: 2001-01-30
 1/ PRIOR APPLICATION NUMBER: PCT/US01/00669
 1/ PRIOR FILING DATE: 2001-01-30
 1/ PRIOR APPLICATION NUMBER: PCT/US01/00665
 1/ PRIOR FILING DATE: 2001-01-30
 1/ PRIOR APPLICATION NUMBER: PCT/US01/00668
 1/ PRIOR FILING DATE: 2001-01-30
 1/ PRIOR APPLICATION NUMBER: PCT/US01/00663
 1/ PRIOR FILING DATE: 2001-01-30
 1/ PRIOR APPLICATION NUMBER: PCT/US01/00662
 1/ PRIOR FILING DATE: 2001-01-30
 1/ PRIOR APPLICATION NUMBER: PCT/US01/00661
 1/ PRIOR FILING DATE: 2001-01-30
 1/ PRIOR FILING DATE: 2001-01-30
 1/ PRIOR FILING DATE: 2001-01-30
 1/ PRIOR FILING DATE: 2000-09-21
 1/ PRIOR APPLICATION NUMBER: US 09/608,408
 1/ PRIOR FILING DATE: 2000-06-30
 1/ PRIOR APPLICATION NUMBER: US 09/774,203
 1/ PRIOR FILING DATE: 2001-01-29
 1/ NUMBER OF SEQ ID NOS: 49117
 1/ SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
 1/ SEQ ID NO: 4976
 1/ LENGTH: 489
 1/ TYPE: DNA
 1/ ORGANISM: Homo sapiens
 1/ FEATUR:

1/ OTHER INFORMATION: MAP TO AL031076.1
 1/ OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 5.1
 1/ OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 5.5
 1/ OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 5.8
 1/ OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 6
 1/ OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 5.1
 1/ OTHER INFORMATION: EXPRESSED IN HEA, SIGNAL = 5.2
 1/ OTHER INFORMATION: EXPRESSED IN HB100, SIGNAL = 4.1

